

Appendix 1

Translation of accepted EPO claims.

1. Method of producing hydrogen, including the method steps of

- (a) producing an amount of biomass by means of photosynthesis and thereby storing solar energy and reducing the CO<sub>2</sub> portion in the air,
- (b) converting the amount of biomass into a carbonaceous product,
- (c) converting said carbonaceous product into hydrogen,

characterized in that

- (d) said carbonaceous product constitutes charcoal from wood which has been produced by sustainable forestry,
- (e) only a minor amount of up to 25% of said charcoal is converted into hydrogen, and
- (f) the remainder of said charcoal is stored without formation of greenhouse gases.

2. Method according to claim 1, characterized in that said charcoal is stored under inert gas.

3. Method according to claim 2, characterized in that CO<sub>2</sub> is used as said inert gas.

4. Method according to anyone of claims 1 to 3, characterized in that said charcoal is stored in cavities of mines.